

PDA101

MINI INDUCTION LOOP AMPLIFIER

The PDA101 mini-audio frequency induction loop amplifier is ideal for any application requiring restricted or small area coverage.

It includes two mixed microphone or line level inputs for the connection of desktop microphones, CD players, TV SCART leads, etc, and comes in a variety of cost-effective kit formats to aid specification and installation.

The amplifier's inputs can be easily adjusted for optimum performance using its two level controls and an adjustable drive control allows its output stage to be set up to suit the exact requirements of any room.

The amplifier is designed to be free-standing or wall-mounted using the keyholes provided with installation further aided by its input peak, output current and power on LEDs.



- Ideal for ticket counters, desktops, TV lounges, interview rooms, etc.
- Provides max. square room coverage of 49m² (7m x 7m) or max. rectangular room coverage of 100m² (5m x 20m).
- Two unbalanced microphone or line level inputs
- Optional phantom power for electret microphones
- Input peak, output current, signal present and power on LEDs
- Automatic compressor-limiter
- 'Soft start' facility
- Adjustable drive and input level controls
- Free-standing or wall-mountable
- Compliant with AFILS standards EN60118-4 (formerly BS6083) and BS7594 993)

The PDA101 mini-induction loop amplifier is available in the following cost-effective kit formats:-



PDA101C COUNTER LOOP KIT

Includes everything required for a high quality stand-alone counter loop system for a post office, bank, ticket office, reception desk or civic centre. Includes an AMT tie/desk microphone, a TX121 counter loop cable and a loop fitted sticker.



PDA101L SMALL ROOM KIT

The perfect small room induction loop system for meeting rooms, council chambers, waiting rooms and reception areas. Includes an AMT tie/desk microphone, 30m of loop cable and a loop fitted sticker.



PDA101S TV/MUSIC ROOM KIT

Designed for use in areas such as nursing home TV lounges. Includes everything you need to create a cost-effective loop system that allows the hard of hearing to enjoy TV/radio broadcasts clearly. Includes a SCART lead, 30m of loop cable and a loop fitted sticker.



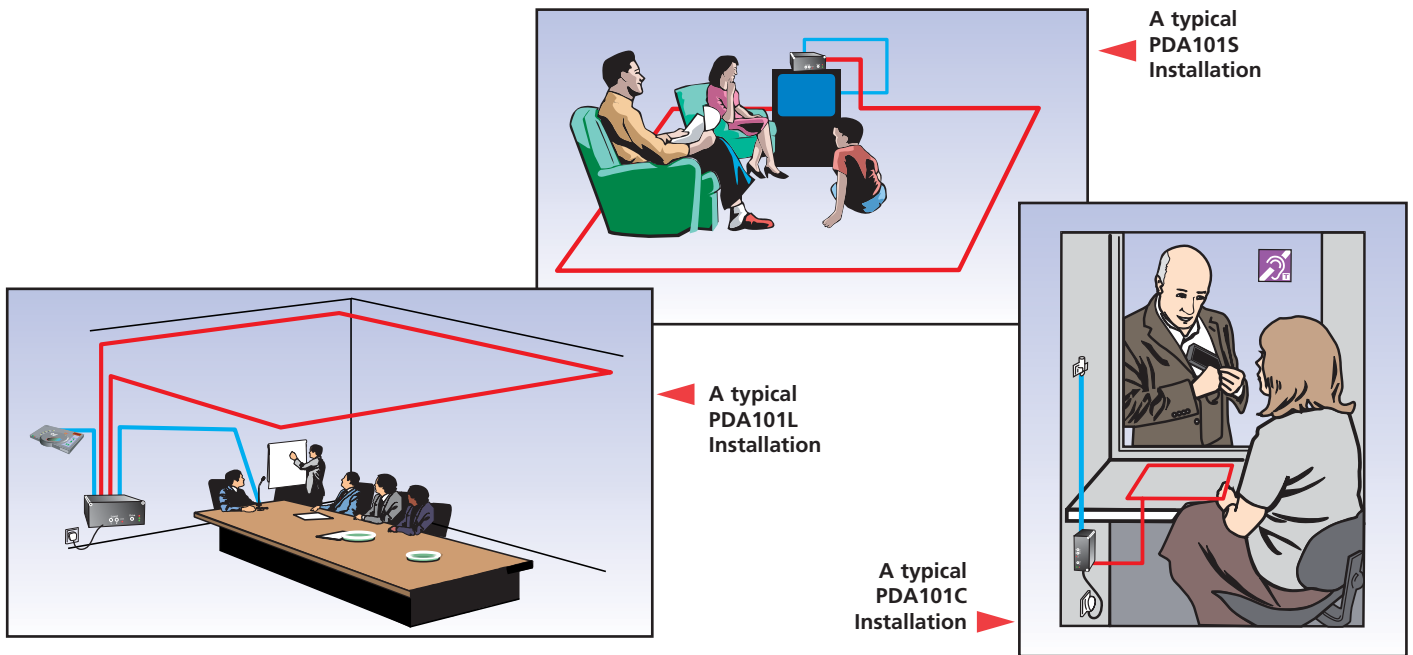
WHAT IS AN INDUCTION LOOP SYSTEM?

Induction loop systems are mainly used to help hearing impaired people obtain maximum involvement in communications.

The concept behind them is quite simple. All NHS hearing aids have a 'T' position which allows them to pick up the electromagnetic field generated by a telephone's earpiece and convert it into a sound suited to an individual's specific hearing requirements. A loop system uses this same principle but generates a much larger field than that created by a telephone earpiece and radiates it around a room via a 'loop' for the benefit of any hearing impaired person(s) located within it. An induction loop system therefore comprises four main elements:- the audio source (microphone and / or music inputs), the amplifier (specially designed for the job), the loop (usually a single turn of wire) and the receiver(s) (hearing aids in the 'T' position or special loop listening devices).

The size of field required can vary depending on the application, from 1m² for ticket booths or bank counters to in excess of 600m² for larger installations such as theatres and cinemas. The PDA101 is available in a variety of cost-effective kit formats and is ideal for use in small TV lounges, meeting rooms and ticket offices.

TYPICAL PDA101 APPLICATIONS



ALSO AVAILABLE:-



RXTi INDUCTION LOOP RECEIVER/LISTENER

For testing purposes, we recommend that an RXTi induction loop receiver/listener is purchased and, if possible, supplied with every job.

The RXTi emulates an NHS hearing aid and allows installation engineers to test an induction loop system for audibility, dead spots and overspill during system set-up. If left on-site, the end-user can also use the RXTi to periodically check that the system is working correctly.

The RXTi is supplied in a robust 110 x 56 x 32mm case with a sturdy belt clip and rotary volume control. It requires two AAA batteries and one set of Walkman-style headphones (not supplied).



APT LOOP CONNECTOR PLATE

The APT loop connector plate allows any audio-frequency induction loop amplifier to be quickly connected to a pre-installed loop. It is ideal for nursing homes, schools, interview rooms, conference suites, etc, where it is often impractical to have a permanent loop system fitted but where quick and easy access to one is a must.

The APT mounts on a standard single gang UK back box and uses phono-type connectors.

FLAT1005 COPPER FOIL LOOP TAPE

All PDA101 kits are supplied with the required length of loop cable to suit the application for which they are intended. For the discreet installation of loop cable under carpets, reels of 0.5mm² insulated copper foil tape are also available. (part no. FLAT1005). These come in 100m lengths and can be fixed to the floor using synthetic fibre adhesive tape (part no. TAPE) which is available in 50m lengths.